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imagery analysis report

Iraq/Iran Military Summary

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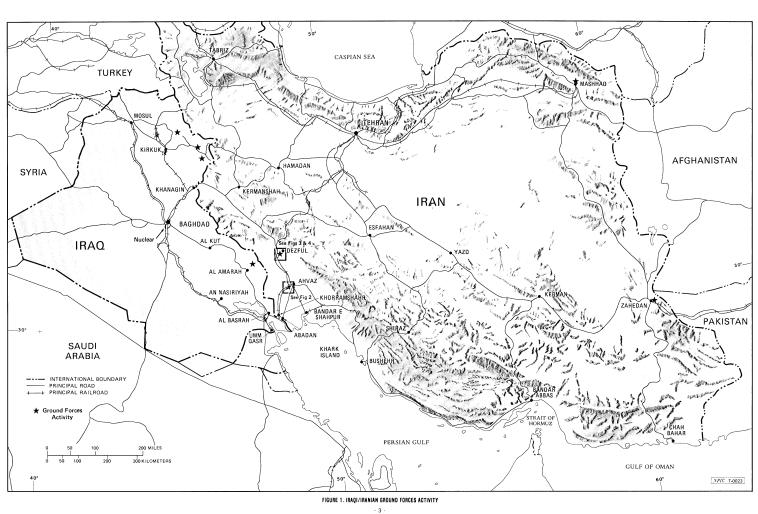


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IRAQ/IRAN MILITARY SUMMARY	25X1
1. (S/D) This report updates the most recent ¹ in a series of imagery-derived reports on the Iraq/Iran conflict and covers the period This report discusses deployed ground forces in the forward area, rear garrison units (Figure 1), airfields, naval bases, commercial shipping, POL facilities, the Nuclear Research Center in Baghdad, and related air activity in Saudi Arabia. Military unit designators and subordination (where used) are derived from collateral sources. ² Acronyms and abbreviations are defined in a glossary at the end of the report. Additional reports will be issued as the situation changes.	25 X 1
OVERVIEW	
2. (S/D) Imagery of the forward areas of conflict on showed the Iranian forces still in control of Abadan, Ahvaz, and Dezful.	25 X 1
	25X1 25X1
T. (b/b) Haman forces in the Bellar area cressed to the	25X1 25X1
5. (S/D) Nine Iraqi and two Iranian rear area garrisons were imaged during the reporting period. Iraqi units remained out of garrison. Additional Iranian units departed from installations in Mashhad and Zahedan along the Iran/Afghanistan border.	
6. (S/D) Six Iraqi and 14 Iranian airfields were imaged. Three new SA-3 SAM sites were seen near Kirkuk Airfield in Iraq. Evidence of Iranian transport aircraft dispersal was seen at Mashhad and Zahedan airfields in Iran.	
7. (S/D) No Iraqi and two Iranian naval facilities were covered.	
8. (S/D) Fourteen POL facilities in Iraq and seven in Iran were imaged. Damage was seen at one Iraqi and two Iranian facilities.	
9. (S/D) Related activity included continued concealment efforts at Baghdad Nuclear Research Center and the presence of at least two Iraqi CANDID aircraft (civil markings) at an airfield in Saudi Arabia.	
GROUND FORCE ACTIVITY	
Iraq/Iran Forward Areas	
Abadan Area	
10. (S/D) The area north of Abadan, Iran, previously occupied by Iraqi forces, was not imaged during the reporting period. However, across the Shatt Al Arab, in Iraq, an Iraqi field artillery battery remained in its positions on Although Iranian infantry was probably still in the city, no Iranian units were observed.	25 X 1
Ahvaz Area	
area, due to coverage limitations, Iranian forces were in this area on The areas west and southwest 2	25X1 25X1 25X1
gun battalion. A ZSU-57/2 SP AA battery was deployed just north of the city. The presence of tank and	25X1 25X1
13. (S/D) No change was seen at Ahvaz Barracks Storage Depot Brigade and Division Headquarters	25X1
Dezful Area	
tained this position through (Figures 3 and 4). The Iranian force observed on partial coverage 2	25X1 25X1 5X1

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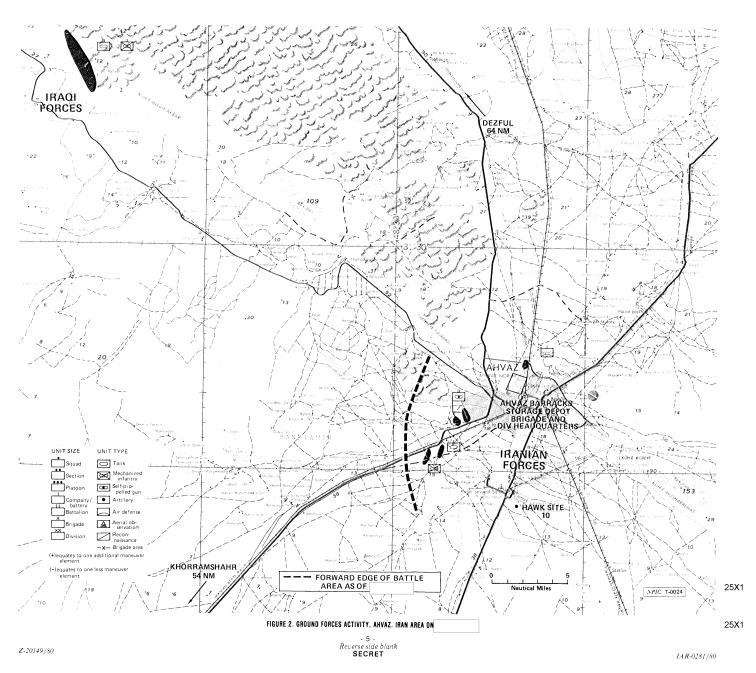
were on the east bank of the river at Dezful Highway Strip Other Iranian units in the area included two artillery batteries 4 nm southeast of the highway strip, a reinforced M-109 SP battery 3 nm northeast, and a reconnaissance company 1 nm northwest of the highway strip.
15. (S/D) Iranian forces were still in control of Dezful on These forces observed on oblique coverage of poor interpretability consisted of at least one tank battalion-minus, one mechanized infantry company, and one reconnaissance company west of Dezful Highway Strip. Additional forces deployed west and southwest of Dezful consisted of at least three tank companies, five SP gun batteries, six FA batteries, and five air defense batteries. An Iranian force of unknown size and composition was observed 10 nm north of Dezful. Previously a tank platoon was observed in this area on partial coverage of
16. (S/D) Equipment present in Dezful Barracks and Brigade Headquarters appeared to be unchanged from
17. (S/D) The opposing Iraqi forces observed on consisted of tank and mechanized infantry units deployed 13.5 nm west of Dezful. Elements of an Iraqi tank and mechanized infantry brigade had been reported in this area since
18. (S/D) A second Iraqi force was 14.5 nm southwest of Dezful at Shush on This force on consisted of two tank battalions, one mechanized infantry battalion, one tank company, and one mechanized infantry company. Only one tank battalion was discernible in the Shush area on partial coverage of These Iraqi positions remained unchanged since last reported on
19. (S/D) An Iraqi combat unit remained deployed in revetments in the Buzurgan oilfields 50 nm southwest of Dezful on This unit still consisted of a T-55-equipped tank battalion, one BTR-60-equipped mechanized infantry company, one FA battery, one engineer unit and support equipment.
Rear Areas
Iraq
20. (S/D) In the Az Zubayr area, two of the three major ground forces installations housing the 5th Mechanized Infantry Division were observed on Major elements of this division remained out of garrison at Az Zubayr Barracks and Brigade Headquarters South and at Az Zubayr Barracks and Brigade Headquarters Southwest
21. (S/D) Two vehicle storage buildings, one support building, and one possible messhall were heavily damaged at As Sulaymaniyah Barracks and Ammunition Depot Forty trucks were dispersed in revetments and a three-position AAA site was occupied. Additional battle damage consisting of two destroyed multiwing buildings and four destroyed support buildings was observed at As Sulaymaniyah Military Camp West One tank, two armored personnel carriers, and at least 60 trucks were dispersed in revetments.
22. (S/D) Six occupied canvas-covered artillery positions and five occupied AAA positions were deployed on hilltops around Dukan Military Camp At least 70 trucks were dispersed in revetments around the barracks area. Additionally, at least four occupied AAA positions and nine trucks were deployed at Dukan Hydro Power Plant These facilities are near the Iraq/Iran border approximately 50 nm northeast of Kirkuk.
23. (S/D) No battle damage was observed on at Rawanduz Barracks A Brigade Hq (BE approximately 50 nm northeast of Kirkuk. Sixty cargo trucks and 12 utility trucks were in a vehicle parking area. This facility houses the 22nd Mountain Infantry Brigade of the Eighth Mountain Infantry Division.
24. (S/D) No battle damage was observed on at Derbenki Khan Military Institute (BE approximately 36 nm southeast of Sulaymaniyah. Six FA guns were in revetted positions, and approximately 40 trucks were dispersed throughout the facility.
25. (S/D) No battle damage was observed on approximately 50 nm north-northwest of Kirkuk. Equipment observed included six occupied field artillery positions, 20 revetted trucks, 20 dispersed trucks, and 13 trucks in the vehicle parking area.
26. (S/D) No battle damage was observed at Kirkuk Barracks and Brigade Headquarters South (BE on partial coverage of Approximately 50 trucks were dispersed throughout the installation.
Iran
27. (S/D) Two tank platoons (10 tanks) departed from Zahedan Barracks Area Equipment remaining in garrison included at least one tank company (19 tanks), at least one mechanized infantry battalion (62 APC), one M-109A1 SP howitzer battery (8 M-109A1), and support equipment. At least one-third of the APCs (BTR-60, BTR-50 and BMP) had been dispersed in an area adjacent to and west of the fenced barracks area. A large gathering of several hundred people was in an athletic field approximately 1 nm northwest of the barracks area.
(Continued p. 13)
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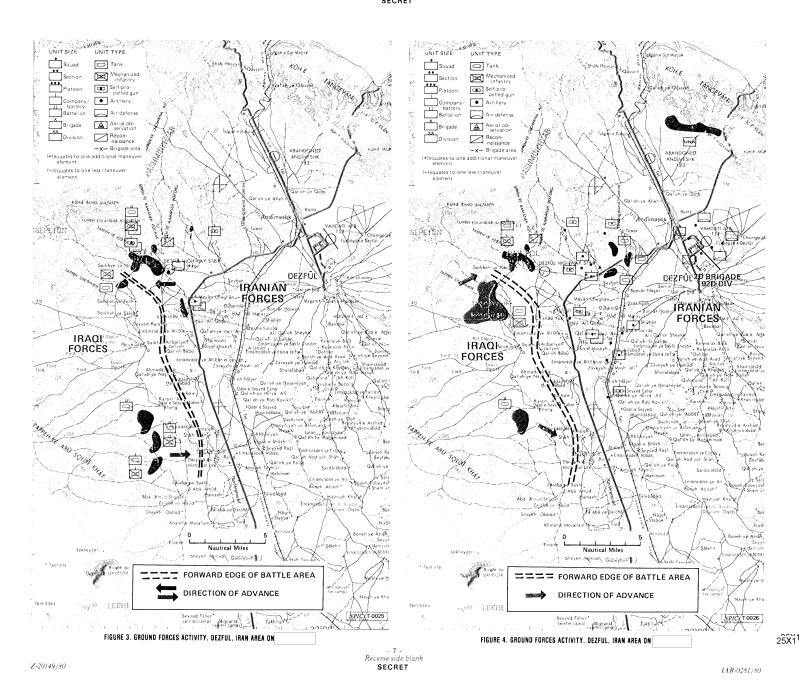
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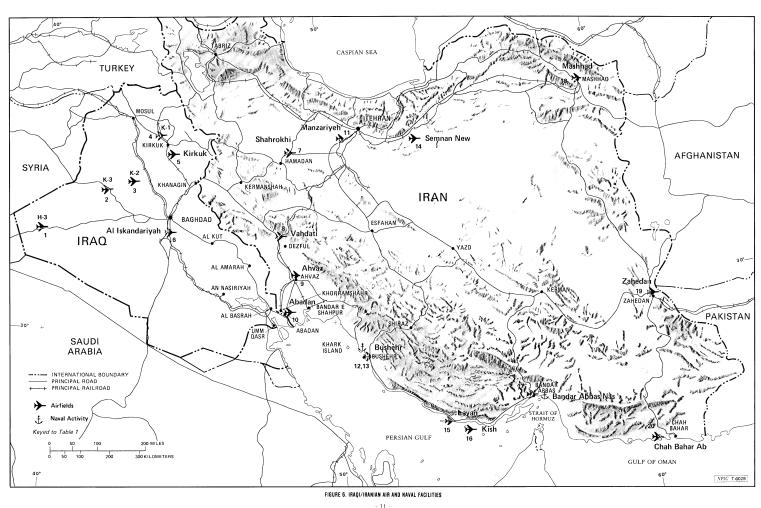
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Table 1. Air Activity in Iraq and Iran (Items keyed to Figure 6)

em	Installation/ BE No	Date of Coverage	AOB Present	Operational Status/Remarks	Item	Installation/ BE No	Date of Coverage	AOB Present	Operational Status/Remarks
aq									
	H-3 Airfield		3 BLINDER.	Operational; undamaged;	14	Semnan New Airfield		None	Operational; undamaged
	II-5 Attitletu		2 FLOGGER,	the crashed BLINDER	14	Semilar New Arriverd		None	Operational, undamaged
			17 FITTER,	is not and will no longer be	15	Lavan Airfield		None	Operational; undamaged;
			4 FISHBED,	reported in AOB readout	13	Lavan Anneid		None	4 vehicles and 1 mobile
			I CANDID.	reported in NOB readout					aircraft stairs adjacent to
			I CUB.						runway; runway was blocked
			I CURL.						on and
			I CODLING.		16	Kish Airfield		1 C-130	Operational; undamaged;
			I COOKPOT.		10	KISH ATTICIO		1 6-150	runway 27R blocked by
			3 HIND,						4 vehicles; 5 vehicles parked
			2 HIP.		ĺ				adjacent to runway 27 L;
			3 Super FRELON.						1 C-130 arrived since
			2 Wessex.						four 35mm AA
2	K-3 Airfield		3 HIP	Operational; undamaged;					sites and 3 ZU-23 positions
-			*	7 BMP gone from					remain occupied
				revetments at west end	17	Bandar Abbas		None	Operational; undamaged; both
				of airfield since		NAS Airfield			runways remain blocked
3	K-2 Airfield		2 prob Alouette	Runway is not operational					by vehicles
				(resurfacing underway)	18	Mashhad Airfield		8 C-130,	Operational; undamaged; only
4	K-1 Airfield		18 HIP,	Runway is not operational				2 747-SP,	1-3 transport aircraft
			8 Wessex,	(resurfacing underway)				1.747,	normally observed here;
			5 Gazelle,					1 707,	runway blocked by a large,
5	Kirkuk Airfield		16 FITTER,	Operational; no additional				2 727	wheeled crane and 2 trucks:
			12 FISHBED,	damage; I occupied and					10 ZU-23 positions
	<u> </u>		2 L-39,	1 unoccupied SA-3 site					remain occupied
			2 Wessex	newly identified northeast of				5 C-130 &	Partial coverage; runway
				the airfield				two 747 with	status cannot be determined
6	Al Iskandariyah New		1 prob FISHBED	Operational; undamaged				Iranian military markings	
			(net covered)		19	Zahedan Airfield		Four 747	Operational; undamaged;
ran						International			
				0 2 1				1 with Iranian	only small numbers of
7	Shahroki AB Airfield		None in cloud-free areas	Operational status and				military markings,	transport aircraft are
				damage assessment cannot be determined due to heavy				l with Iranian	normally seen here, 4
				clouds				civil markings,	ZU-23 AA positions are
8	Vahdati AB Airfield		1 CH-47.	ciouus				2 with no markings	occupied
0	vandati AB Attricid		l CH-47,	Operational; no new damage				visible	
			at least 6 small helicopters	Operational, no new damage				One 707 with Iranian civil markings.	
9	Ahvaz Airfield		2 C-130 &	Operational; no new damage				One 727 with Iranian	
1	ATTIVILE ATTITUDE		1 F-27	operational, no new damage				civil markings,	
0	Abadan International		2 F-27	Operational; no new damage				One 737 with Iranian	
-	Airfield		/	-p	1			civil markings	
					20	Chah Bahar AB		1 C-130	Operational; undamaged;
1	Manzariyeh Airfield		None	Operational; undamaged	20	Airfield		150	runway and high-speed
					1	/ III II III II			taxiway blocked by vehicles
2	Bushehr Airfield		2 F-4 &	Operational; no new damage;	i				and a second of remotes
			1 AB-214	F-4s appeared to be taking off	1				
3	Bushehr Helicopter		1 RH-53.	Operational; 7 SEA KINGS	1				
	Field		4 SEA KING,	and 5 AB-214 have	1				
			3 AB-214	departed since	1				
				1 RH-53 has arrived since					
					1				

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28. (S/D) Minor elements of the 291st tank battalion and the divisional artillery battalions of the 77th Infantry Division housed at Mashhad Barracks Storage Depot Division and Brigade Headquarters departed between All elements of the 105mm howitzer battalion and the 155mm howitzer battalion are now out of garrison. Four M-47 tanks of the 291st battalion, the heavy lift unit, and other support units remained in garrison.	25 X 1
29. (S/D) On the same date, several hundred people were observed in a large open area approximately $0.5\ \mathrm{nm}$ east of the barracks area.	
AIR ACTIVITY	
Iraq	
30. (S/D) Three SA-3 sites were newly identified near Kirkuk Airfield (Figure 6 and Table 1) on Kirkuk SA-3 SAM Site North No. 1 , approximately 4 nm northwest of the airfield, contained three four-rail SA-3 launchers, one SQUAT EYE radar, one acquisition radar, and five electronics vans. Kirkuk SA-3 SAM Site North No. 2 , approximately 5 nm northeast of the airfield, was unoccupied and consisted of three revetted launch positions and a revetted tracking and guidance radar position. Kirkuk SA-3 SAM Site North No. 3 , 8 nm north of the airfield, consists of three revetted four-rail SA-3 launchers, one revetted SQUAT EYE radar, one revetted acquisition radar, and six electronics vans.	25X1 25X1 25X1 25X1
Iran	
31. (S/D) Large Iranian transport aircraft, both military and civilian versions, are probably being dispersed to major airfields in eastern Iran. At Mashhad Airfield eight C-130, two 747-SP, one 747, one 707, and two 727 were present on On five C-130 and two 747 with (Continued p. 19)	25X1 25X1

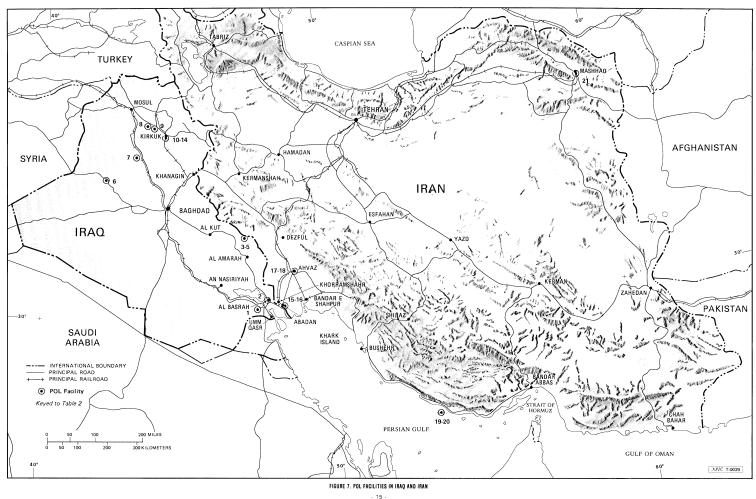
Table 2. POL Facilities in Iraq and Iran (Items keyed to Figure 7)

This table in its entirety is classified SECRET/WNINTEL

Item	Installation/ BE No	Date of Coverage	Damage	Operational Status/Remarks	
raq				-	25
1	Az Zubayr Pump Station Gas/Oil Separation and Storage		None		25)
2	Basrah Petrochemical Plant		Old	No additional damage on partial coverage	
3	Buzurgan Gas Oil Separation Plant & Oilfield Plant Complex		New	1 POL tank destroyed; pipeline damaged in 2 areas; 1 quonset hut	25)
				in support area partially destroyed	25)
4	Buzurgan Gas Oil Separation Plant No 2		None		25)
5	Buzurgan Gas Oil Separation Plant No 3		None		
6	Al Hadithah Petroleum Topping Pump		None None		25)
_	and Storage K-3				25)
7	Bayji K2 Petroleum Pump and Storage Station		None	4 AA sites (3 position) were occupied within a 0.5-nm radius of the station	05)
8	Sarbashakh Degassing Station		None	the station	25)
					25)

Table 2 (Continued)

tem	Installation/ BE No	Date of Coverage	Damage	Operational Status/Remarks
9	Saralu Degassing Station		None	
10	Hanjira Degassing Station		None	
11	Kirkuk Gas Absorption and Stabilization Plant North		None	
12	Kirkuk Petroleum Pumping Station and Storage K-1		None	
13	Kirkuk Petroleum Storage Town		None	
14	Kirkuk Petroleum Refinery and Storage		None	
ran				
15	Abadan Petroleum Product Storage and Pumping Station Transfer Iran 1		New/old	Smoke obscurred part of facility; 30 POL storage tanks destroyed and 4 POL tanks damaged (four tanks burning); damaged pipelines (several burning)
6	Abadan Petroleum Refinery NIOC		New/old	10 large vertical storage tanks; 5 POL tanks destroyed; 19 small vertical storage tanks damaged; 1 vertical tank destroyed; pipeline damaged; and 2 POL tanks were burning
7	Ahvaz Gas/Oil Separation Facility Northeast		None	·
8	Ahvaz Petroleum Product Storage and Pumping Station Transfer Iran 2		None	
9	Jazireh Ye Lavan POL Topping and Gas/Oil Separation Plant		None	
20	Lavan Island POL TML		None	3 ZU-23 sites, put in
				since last coverage of one Vosper MK-5 (SAAM) FFG was underway at 26-44-37N 053-20-47E, prob on a defensive patrol of
21	Mashhad POL Product		None	the island
- 1	Storage Plant Tml		HOIIC	
	Collocated with Mashhad Airfield			





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Iranian military markings were observed on partial coverage. In addition, at Zahedan Airfield four 747 (one with Iranian military markings and one with Iranian civil markings), one 707, one 727, and one 737 (all with Iranian civil markings) were observed on partial coverage. Usually, only one to three transports are seen at both airfields.	25X1 25X1
NAVAL ACTIVITY	
Iran	
32. (S/D) Three La Combattante-IIB (Kamen) PTG, one MK-III PB, and one Bandar Abbas AORL arrived at Bushehr Naval Base Vessels now in port include one PF-103, six La Combattante-IIB (Kamen) PTG, eight MK-III PB, and one PBR.	25 X 1
Strait of Hormuz	
33. (S/D) One Sumner DDG and two PBR departed from Bandar Abbas Port Facilities Suru (BE Vessels in port on included one Battle DDG, two Vosper MK-5 (SAAM) FFG, two La Combattante-IIB (Kamen) PTG, two PGM-71 class, six MK-III PB, four PBR, one Hengham LST, two LCU, one Bandar Abbas AORL, one Michaelangelo-class APB, one Amphion-class AR, one Kangan-class AWK, and one ARD-T. The area of the Gulf southwest of the harbor, where one	25X1
Hengham LST was moored on was not imaged. Nine medium merchant ships (three bulk carriers) and two special purpose merchant ships were also in port; two tankers were moored in the Gulf, south of the harbor. A Sea King helicopter was parked on a helipad in the administration area of the port. This aircraft was	25X1
34. (S/D) No unusual activity was seen at Abu Musa Island (Jazireh Ye Bu Musa Island on	25X1 25X1 25X1
COMMERCIAL SHIPPING	
Shatt Al Arab Area	
35. (S/D) The Shatt Al Arab and Abadan Port Facilities, Iran along the river from 30-23-40N 048-10-40E to 30-18-00E 048-18-40E, were imaged on Twenty-two coastal/small freighters, one freighter, two tankers, and three ARD-D were either at the port facility or in midriver.	25X1 25X1
36. (S/D) One coastal/small freighter was moored at the quay at Abadan Port Facilities, Iran on No battle damage was observed at the quay.	25 X 1 25 X 1
37. (S/D) Four coastal/small freighters were DIW approximately 1 nm southwest of Abadan Port Facilities. Three were riding very low in the water and one was capsized.	
POL FACILITIES	
38. (S/D) New damage was observed at one of the 14 Iraqi and two of the seven Iranian POL-related facilities observed during the reporting period. (See Table 2 and Figure 7)	
Iraq	
39. (S/D) At Buzurgan Gas Oil Separation Plant and Oilfield Plant Complex in Iraq (BE one destroyed POL tank, pipelines damaged in two areas, and a partially destroyed quonset hut were observed on	25X1 25X1
Iran	
40. (S/D) In the Abadan area, four POL tanks and several pipelines were burning at Abadan Petroleum Product Storage and Pumping Station Transfer Iran 1 and two POL tanks were burning at Abadan Petroleum Refinery NIOC	25X1 25X1
OTHER	
Iraq	
41. (S/D) No additional battle damage was observed at Baghdad Nuclear Research Center (BE (Figure 8), Construction was continuing on large earthern berms on the west side of the French reactor area and the Italian laboratory area. Metal screens continued to be erected around the French reactor area and were now being erected around the Italian laboratory area.	25X1

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	Major damage was observed at the As Su The main processing building, wa L tank was ruptured and smoking.			25X1 25X1			
Iran							
43. (S/D) and Yards of the railcars of			at Jolfa Railroad Station SSR border. Approximately half	25X1 25X1 25X1			
Saudi Arabia							
Iraqi military a	pproximately 95 nm north of the North Yem	nis Mushayt Airfi	ield in southwest	25X1 ^I			
	GLOSSARY ACRONYMS AND AB		IS				
	This glossary in its entirety is	UNCLASSIFIED					
AA AAA AORL APB APC AR ARD-D ARD-T AW AWK AX DD DDG DIW FA FFG LCM LCU LSM LST MRL MSF	Antiaircraft Antiaircraft artillery Small replenishment oiler Barracks ship Armored personnel carrier Repair ship Floating drydock Auxiliary repair dock Air warning Water carrier Training ship Destroyer Guided missile destroyer Dead in the water Field artillery Guided missile frigate Medium landing craft Utility landing craft Medium amphibious assault landing ship Amphibious vehicle landing ship Multiple rocket launcher Fleet minesweeper	MSI NM PACV PB PBR PCL PCS PF PGM PMP POL PTG RTP SAAM SAM SP SPAA SPG SSM TEL TMM VI.CC	Inshore minesweeper Nautical miles Patrol air cushion vehicle Patrol boat River/roadstead patrol boat Small submarine chaser Submarine chaser Patrol frigate Motor gunboat Heavy folding ponton bridge Petroleum, oil, and lubricant Missile attack boat Rail-to-road transfer point Surface-to-air missile Self-propelled Self-propelled antiaircraft Self-propelled gun Surface-to-surface missile Transporter-erector-launcher Truck-mounted bridge Very large crude carrier	, ,			
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